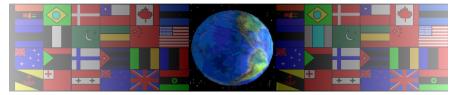
### PRODUCT DEVELOPMENT EXERCISE

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On behalf of The World Association of Technology Teachers

# W.A.T.T.



World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet.

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## PRODUCT DEVELOPMENT EXERCISE

### THE TAPE MEASURE

Study the sample development page (page 2).

How many of the key areas (page 3)have been mentioned on this sheet? Place a tick against the areas included. (See slide three for key areas)

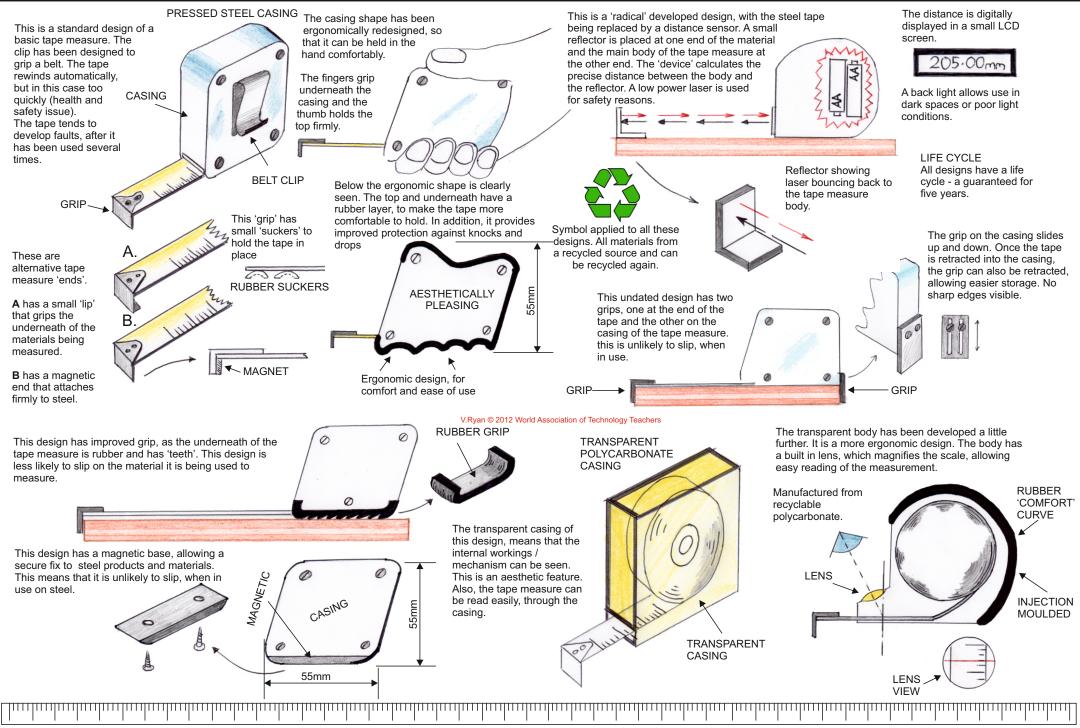
What grade would you give this development sheet?

WHAT AREAS / TECHNIQUES NEED TO BE INCLUDED ON THE FOLLOWING DEVELOPMENT SHEETS?

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### **PRODUCT DEVELOPMENT**

SHEET 1



ANTHROPOMETRICS AND ERGONOMICS

HEALTH AND SAFETY ISSUES **DISCOVERED AND RESOLVED?** 

METHOD OF CONSTRUCTION MODEL AND REAL PRODUCT

MANUFACTURING PROCESSES INJECTION MOULDING ETC....

MATERIALS **PROPERTIES OF MATERIALS** 

> DISASSEMBLY **OF PRODUCTS/** MODELS

**EVIDENCE** PHOTOGRAPHS IN REAL TIME AS YOU WORK **VIDEO CLIPS** 

MODELS AND PROTOTYPES 2D AND 3D **ONGOING TESTING EXPERIMENTATION** 

> ENVIRONMENT LIFE CYCLE **SUSTAINABILITY**

COSTS TO MANUFACTURE PRICE TO CUSTOMER

REFER TO SPECIFICATION REGULARLY CHECK YOU ARE KEEPING TO THE SPECIFICATION

SKETCHES **EXPLODED VIEWS** COLOUR RENDERED ILLUSTRATIONS SECTIONAL VIEWS ORTHOGRAPHIC CAD COMPUTER AIDED DESIGN

SIZES LENGTH, HEIGHT AND DEPTH

CUSTOMER / **CLIENT VIEWS** 

**VIEWS OF OTHERS** 

#### PRODUCT DEVELOPMENT SHEETS V.Rvan © 2012 World Association of Technology Teachers

SOLVED ANY PROBLEMS? WHILE SKETCHING / MODELLING

STYLE / AESTHETICS

DIFFERENT IDEAS VALID IDEA? DEAD END?

**EVALUATE IDEAS** 

FOUND ANY PROBLEMS? WHILE SKETCHING / MODELLING